

Practice

For use with pages 275–279

Use equivalent ratios to solve the proportion.

1. $\frac{2}{7} = \frac{24}{x}$

2. $\frac{4}{15} = \frac{x}{90}$

3. $\frac{x}{20} = \frac{154}{280}$

4. $\frac{x}{13} = \frac{70}{91}$

5. $\frac{17}{30} = \frac{x}{120}$

6. $\frac{25}{28} = \frac{375}{x}$

7. $\frac{x}{35} = \frac{96}{210}$

8. $\frac{34}{9} = \frac{x}{162}$

9. $\frac{x}{41} = \frac{165}{205}$

Use algebra to solve the proportion.

10. $\frac{x}{14} = \frac{10}{4}$

11. $\frac{x}{22} = \frac{20}{5}$

12. $\frac{15}{65} = \frac{x}{13}$

13. $\frac{40}{24} = \frac{x}{9}$

14. $\frac{63}{93} = \frac{x}{31}$

15. $\frac{x}{36} = \frac{12}{16}$

16. $\frac{15}{26} = \frac{x}{182}$

17. $\frac{x}{108} = \frac{15}{12}$

18. $\frac{20}{68} = \frac{x}{17}$

19. $\frac{4.5}{20} = \frac{x}{4}$

20. $\frac{x}{16.5} = \frac{84}{132}$

21. $\frac{x}{14} = \frac{11}{35}$

Practice

For use with pages 275–279

In Exercises 22–25, write and solve a proportion to solve the problem.

- 22.** Four notebooks cost \$4.40. How many notebooks can you buy for \$6.60?
- 23.** Two roses cost \$3.50. How many roses can you buy for \$17.50?
- 24.** A roll of paper towels cost \$1.90. How many rolls can you buy for \$9.50?
- 25.** Carl works 8 hours and earns \$52. How many hours would he have to work to earn \$130?

- 26.** Use the table below that shows the prices of several fruits to answer the following questions.

Fruit	Price
Apples	4 for \$3.00
Bananas	3 lb/\$1.50
Cantaloupes	2 for \$2.50
Cherries	2 lb/\$2.40
Peaches	1 lb/\$.90

- a.** How much would 5 pounds of bananas cost?
- b.** How much would 7 apples cost?
- c.** You are making a fruit salad for a party. You want to use 5 apples, 2 pounds of bananas, 1 cantaloupe, 1.5 pounds of cherries, and 2 pounds of peaches. How much will the fruit cost for your fruit salad?